

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An image display device, comprising:

a display panel which has a plurality of pixel sections each of which includes at least a pixel displaying an image for the first viewpoint and a pixel displaying an image for the second viewpoint, said pixel sections being provided periodically in one direction, and said display panel comprising an image surface on which the plurality of pixels are displayed

an optical unit refracts the light emitted from said pixels and emits the light in directions different from each other, and

an adhesive layer which is provided on a part of an area enclosing an image display area of said display panel to fix the optical unit and the display panel in line,

wherein the display panel and the optical unit are aligned so that light emitted from the pixel displaying an image for the first view point is refracted and emitted by a specific region of the optical unit to arrive at said first view point, and

wherein the adhesive layer affixes the optical unit directly on the image surface of the display panel such that a positional relationship between the specific region of the optical unit and the pixel displaying an image for the first view point of the display panel is maintained while permitting a difference in expansion or contraction between the optical unit and the display panel so as to permit ~~displacement~~ deflection of the optical unit due to expansion and contraction of a material of the optical unit.

2. (previously presented): The image display device according to claim 1, wherein said optical unit is a lenticular lens having a plurality of semicylindrical lenses, longitudinal direction of which is perpendicular to said one direction, or a fly-eye lens having a plurality of convex lenses in which a lens pitch in said one direction and the lens pitch in a direction perpendicular to said one direction are different from each other, and said adhesive layer is provided along a side of a frame extending in a longitudinal direction of said convex lens or the longitudinal direction of said semicylindrical lens in said optical unit.

3. (previously presented): The image display device according to claim 1, wherein said optical unit is a lenticular lens having a plurality of semicylindrical lenses, longitudinal direction of which is perpendicular to said one direction, or a fly-eye lens having a plurality of convex lenses in which a lens pitch in said one direction and the lens pitch in a direction perpendicular to said one direction are different from each other, and said adhesive layer is provided along the side of a frame extending in a direction orthogonal to a longitudinal direction of said convex lens or the longitudinal direction of said semicylindrical lens in said optical unit.

4. (previously presented): The image display device according to claim 1, wherein said optical unit is a fly-eye lens having a plurality of convex lenses in which a lens pitch in said one direction and the lens pitch in a direction perpendicular to said one direction are equal to each other, and said adhesive layer is provided along a short side of said optical unit.

5. (previously presented): The image display device according to claim 1, wherein said optical unit is a fly-eye lens having a plurality of convex lenses in which a lens pitch in said one direction and the lens pitch in a direction perpendicular to said one direction are equal to each other, and said adhesive layer is provided along a side orthogonal to a short side of said optical unit.

Claims 6-14 (canceled).

15. (previously presented): The image display device according to claim 2, wherein said adhesive layer is provided along the side extending in a direction orthogonal to the longitudinal direction of said convex lens or the longitudinal direction of said semicylindrical lens in said optical unit.

16. (previously presented): The image display device according to claim 4, wherein said adhesive layer is provided along a side orthogonal to the short side of said optical unit.

Claims 17-44 (canceled).

45. (previously presented): The image display device according to claim 1, wherein the adhesive layer is provided along two sides of the optical unit.

Claims 46-47 (canceled).

48. (previously presented): An image display device comprising:

a display panel which has a plurality of pixel sections each of which includes at least a pixel displaying an image for a first viewpoint and a pixel displaying an image for a second viewpoint, said pixel sections being provided periodically in one direction, and said display panel comprising an image surface on which the plurality of pixels are displayed;

an optical unit which refracts light emitted from said pixels and emits the light in directions different from each other; and

wherein the display panel and the optical unit are aligned so that light emitted from the pixel displaying an image for the first view point is refracted and emitted by a specific region of the optical unit to arrive at said first view point, and

a means for fixing the optical unit directly on the image surface of the display panel such that an unfixed part between the optical unit and the display panel may be deformed to absorb stress while a positional relationship between the specific region of the optical unit and the pixel displaying an image for the first view point of the display panel is maintained.

49. (currently amended): An image display device, comprising:

a display panel which has a plurality of pixel sections each of which includes at least a pixel displaying an image for the first viewpoint and a pixel displaying an image for the second viewpoint, said pixel sections being provided periodically in one direction, and said display panel comprising an image surface on which the plurality of pixels are displayed;

an optical screen refracts the light emitted from said pixels and emits the light in directions different from each other, and

an adhesive layer which is provided on a part of an area enclosing an image display area of said display panel to fix the optical screen and the display panel in line,

wherein the display panel and the optical screen are aligned so that light emitted from the one pixel displaying an image for the first view point is refracted and emitted by a specific region of the optical screen to arrive at said first view point, and

wherein the adhesive layer affixes the optical screen directly on the image surface of the display panel such that a positional relationship between the specific region of the optical screen and the pixel displaying an image for the first view point of the display panel is maintained while permitting a difference in expansion or contraction between the optical screen and the display panel so as to permit ~~displacement-deflection~~ of the optical screen due to expansion and contraction of a material of the optical screen.

50. (currently amended): An image display device, comprising:

a display panel which has a plurality of pixel sections each of which includes at least a pixel displaying an image for the first viewpoint and a pixel displaying an image for the second viewpoint, said pixel sections being provided periodically in one direction, and said display panel comprising an image surface on which the plurality of pixels are displayed;

an optical sheet refracts the light emitted from said pixels and emits the light in directions different from each other, and

an adhesive layer which is provided on a part of an area enclosing an image display area of said display panel to fix the optical sheet and the display panel in line,

wherein the display panel and the optical sheet are aligned so that light emitted from the pixel displaying an image for the first view point is refracted and emitted by a specific region of the optical sheet to arrive at said first view point, and

wherein the adhesive layer affixes the optical sheet directly on the image surface of the display panel such that a positional relationship between the specific region of the optical sheet and the pixel displaying an image for the first view point of the display panel is maintained while permitting a difference in expansion or contraction between the optical sheet and the display panel so as to permit ~~displacement~~deflection of the optical sheet due to expansion and contraction of a material of the optical sheet.

51. (currently amended): An image display device, comprising:

a display panel which has a plurality of pixel sections each of which includes at least a pixel displaying an image for the first viewpoint and a pixel displaying an image for the second viewpoint, said pixel sections being provided periodically in one direction, and said display panel comprising an image surface on which the plurality of pixels are displayed;

a lens film refracts the light emitted from said pixels and emits the light in directions different from each other, and

an adhesive layer which is provided on a part of an area enclosing an image display area of said display panel to fix the lens film and the display panel in line,

wherein the display panel and the lens film are aligned so that light emitted from the pixel displaying an image for the first view point is refracted and emitted by a specific region of the lens film to arrive at said first view point, and

wherein the adhesive layer affixes the lens film directly on the image surface of the display panel such that a positional relationship between the specific region of the lens film and the pixel displaying an image for the first view point of the display panel is maintained while permitting a difference in expansion or contraction between the lens film and the display panel so as to permit ~~displacement~~ deflection of the lens film due to expansion and contraction of a material of the lens film.